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TELEGRAM 9964537931

SSC GD Jan/Feb - 2023

START

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Q 1] If a + b = 25 and a – b = 7, then determine the mean proportion of a and b.

a + b = 25 ಮತ್ತು a – b = 7 ಆಗಿದ್ದರೆ, a ಮತ್ತು b ನ ಸರಾಸರಿ ಅನುಪಾತವನ್ನು ನಿರ್ಧರಿಸಿ.

1. 12
2. 15
3. 6
4. 9

$a+b=25$

$a-b=7$

$a=\frac{25+7}{2}=\frac{32}{2}=16$

$b=\frac{25-7}{2}=\frac{18}{2}=9$

$\sqrt{a\times b}=\sqrt{16\times 9}=\sqrt{144}=12$

Q 2] The marked price on an item was Rs 2000/- but the shopkeeper offered a discount of 20 percent. How much did he finally sell the item for?

ಒಂದು ವಸ್ತುವಿನ ಮೇಲೆ ಗುರುತಿಸಲಾದ ಬೆಲೆ ರೂ 2000/- ಆದರೆ ಅಂಗಡಿಯವನು ಶೇಕಡಾ 20 ರಷ್ಟು ರಿಯಾಯಿತಿಯನ್ನು ನೀಡಿದನು. ಕೊನೆಗೆ ಆ ವಸ್ತುವನ್ನು ಎಷ್ಟು ಬೆಲೆಗೆ ಮಾರಿದನು?

1. Rs.1400
2. Rs. 1200
3. Rs. 1500
4. Rs. 1600

$=\frac{2000\times 80}{100}$

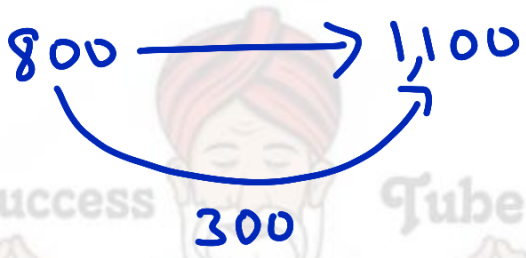
$=1600$ ರೂ

100 — 20% / 80%

Q 3] A chair is bought for ₹800 and sold for ₹1,100. Find the gain percentage.

ಒಂದು ಕುರ್ಚಿಯನ್ನು ₹800ಕ್ಕೆ ಖರೀದಿಸಿ ₹1,100ಕ್ಕೆ ಮಾರಾಟ ಮಾಡುತ್ತಾರೆ. ಲಾಭದ ಶೇಕಡಾವಾರು ಕಂಡುಹಿಡಿಯಿರಿ.

1. 40 %
2. 30 %
3. 37.5 %
4. 32.3 %




800 — 300
100 — ?

$\frac{100 \times 300}{800} = \frac{75}{2} = 37.5$

Q 4] If $2^{305} + 303$ is divided by 9, then the remainder is:

$2^{305} + 303$ ಅನ್ನು 9 ರಿಂದ ಭಾಗಿಸಿದರೆ, ಉಳಿದ ಶೇಷ :

1. 2
2. 4
3. 6
4. 1

$2^{305}$

$2^5 + 303$

$2 \times 2 \times 2 \times 2 \times 1 + 303$

$32 + 303$

$= 335$

ಉತ್ತರ = 2

0156

234789

0, 1, 5, 6.

9)335(37
27
65
63
02

Q 5] The marked price of an item was Rs. 1,00,000, but the shopkeeper offered a double discount of 20 percent and 10 percent. At what price did he finally sell the item?

ಒಂದು ವಸ್ತುವಿನ ಗುರುತು ಬೆಲೆ ರೂ. 1,00,000, ಆದರೆ ಅಂಗಡಿಯವರು 20 ಪ್ರತಿಶತ ಮತ್ತು 10 ಪ್ರತಿಶತದಷ್ಟು ಎರಡು ರಿಯಾಯಿತಿಯನ್ನು ನೀಡಿದರು. ಕೊನೆಗೆ ಆ ವಸ್ತುವನ್ನು ಯಾವ ಬೆಲೆಗೆ ಮಾರಿದನು?

1. Rs. 72000 ✓
2. Rs. 80000
3. Rs. 70000
4. Rs. 82000

$= 1.0 \cancel{000} \times \frac{80}{\cancel{100}} \times \frac{90}{\cancel{100}}$

$= 10 \times 80 \times 90$

$= 72,000$ ರೂ

Q 6] Find the difference between the greatest and the smallest 4-digit numbers exactly divisible by 36 and 48.

36 ಮತ್ತು 48 ರಿಂದ ನಿಖರವಾಗಿ ಭಾಗಿಸಬಹುದಾದ ದೊಡ್ಡ ಮತ್ತು ಚಿಕ್ಕದಾದ 4-ಅಂಕಿಯ ಸಂಖ್ಯೆಗಳ ನಡುವಿನ ವ್ಯತ್ಯಾಸವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

1. 8928 ✓
2. 8892
3. 8298
4. 8982

4 ಅಂಕಿಯ ದೊಡ್ಡ ಸಂಖ್ಯೆ = 9999

4 ... ಚಿಕ್ಕ ಸಂಖ್ಯೆ = 1000

8999

| | |
|---|---|
| 2 | 36, 48 |
| 2 | 18, 24 |
| 3 | 9, 12 |
| 3 | 3, 4 |
| 4 | 1, 4 |
| | 1 1 |

LCM = 144

144 × 62 = 8928

144 × 62 = 8928

144 × 62 = 8928

1. Q 7] Find the mean proportional between 27 and 300.
27 ಮತ್ತು 300 ನಡುವಿನ ಸರಾಸರಿ ಅನುಪಾತವನ್ನು ಕಂಡುಹಿಡಿಯಿರಿ.

1. 90
2. 45
3. 135
4. 180

$= 27, 300$
$\quad a \quad b$

$= \sqrt{a \times b}$

$= \sqrt{27 \times 300}$

$= \sqrt{8100}$

$= 90$

//Q 8]

If $\frac{3}{2} \times \frac{7}{3} \div \frac{7}{6} + \frac{1}{4} = \frac{1}{x}$ . What is the value of x?

1. 7 / 12
2. 4 / 13
3. 13 / 4
4. 6 / 7

$= \frac{3}{2} \times \frac{7}{3} \div \frac{7}{6} + \frac{1}{4} = \frac{1}{x}$

$\frac{3}{2} \times \frac{7}{3} \times \frac{6}{7} + \frac{1}{4} = \frac{1}{x}$

$3 + \frac{1}{4} = \frac{1}{x}$

$\frac{13}{4} = \frac{1}{x}$ ✗

$13x = 4$

$x = \frac{4}{13}$ //

Q 9] Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

10 * 18 * 19 * 2 * 1 * 217

1. ×, +, ×, +, =
2. ×, +, ×, −, =
3. ×, +, −, −, =
4. +, +, ×, −, =

$10 \times 18 + 19 \times 2 - 1 = 217$

$180 + 38 - 1$

$218 - 1$

$= 217$

Q 10] Which of the following numbers will replace the question mark (?) in the given series?

62498, 61874, ?, 60644, 60038, 59438

1. 61256
2. 61656
3. 60544
4. 60446

62498, 61874, 61256, 60644, 60038, 59438

624 618 612 606 600

6 6 6 6

62498 − 61874 = 624

61874 − 61256 = 618

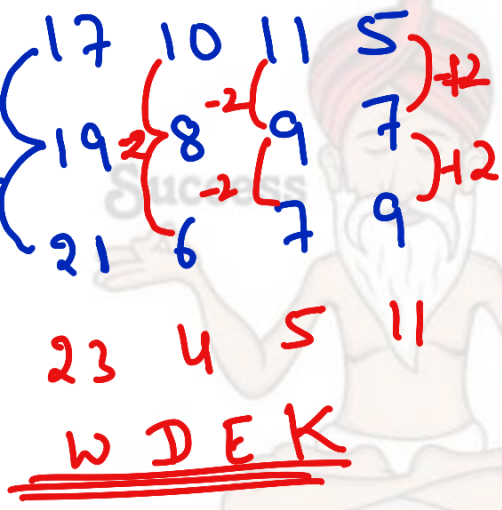
60644 − 60038 = 606

60038 − 59438 = 600

Q 11] Which letter-cluster will replace the question mark (?) to complete the given series?

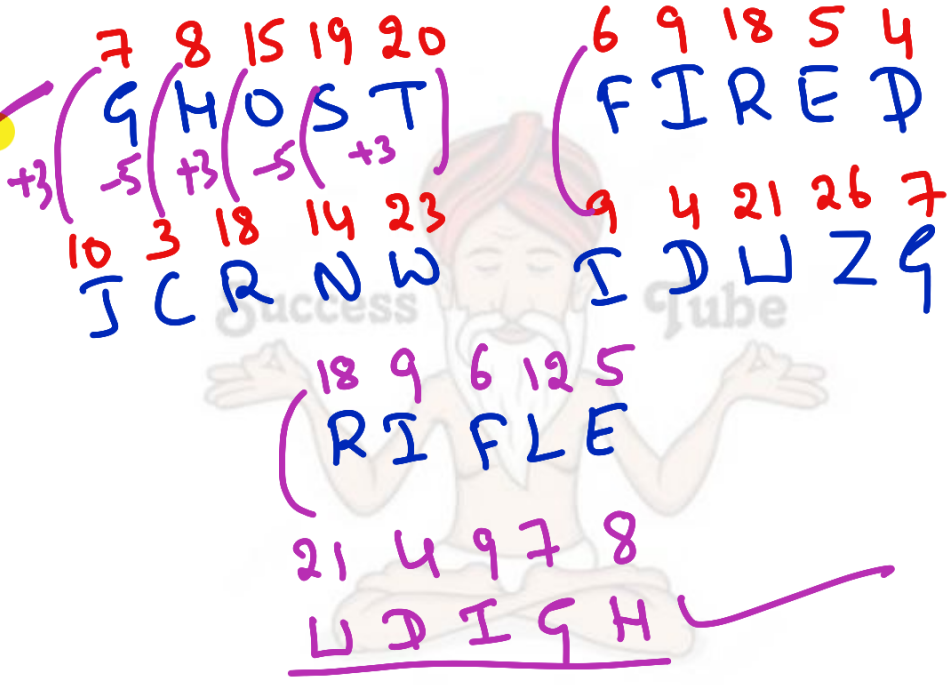
QJKE, SHIG, UFGI, ?, YBCM

1. WCFM
2. VEFL
3. VDEN
4. WDEK

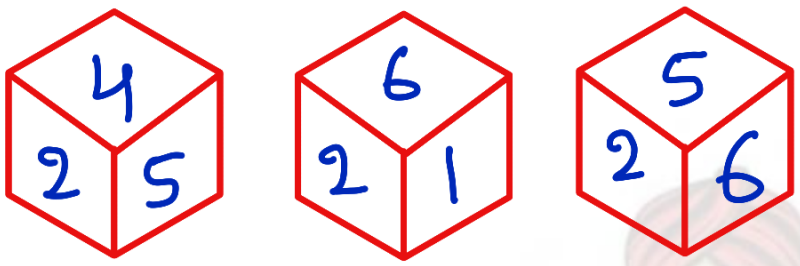



Q 12] In a certain code language,'GHOST' is written as 'JCRNW' and 'FIRED' is written as 'IDUZG'. How will 'RIFLE' be written in the same code language?

1. UDIGH
2. VEJFH
3. PDBGH
4. UIDBH



Q 13] The different position Of the same dice are shown. Find the number On the face opposite the face showing '2'




1, 2, 3, 4, 5, 6

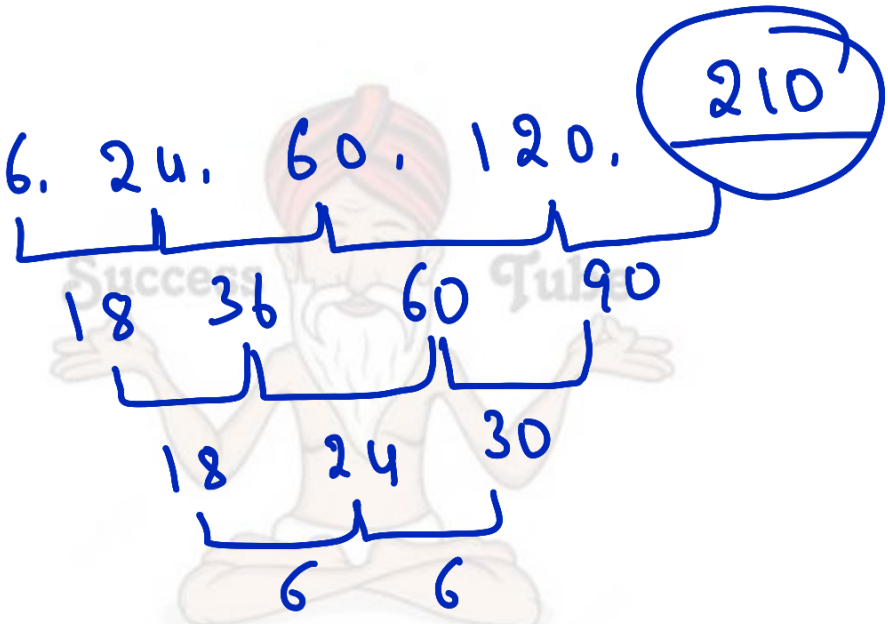
1. 5
2. 1
3. 4
4. 3

2 = 3
5 = 1
4 = 6

Q 14] Which number will replace the question mark (?) in the following series?

6, 24, 60, 120, ?

1. 150
2. 180
3. 135
4. 210



Q 15] Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

144 - 12 + 18 × 6 ÷ 24 = 96

1. - and ÷
2. - and ×
3. × and ÷
4. - and +

$144 - 12 + 18 \times 6 \div 24 = 96$

$144 \div 12 + 18 \times 6 - 24$

$12 + 108 - 24$

$120 - 24$

$96$

120
24
---
096

Q 16] Which letter-cluster will replace the question mark (?) to complete the given series?

XCMQ, YDNR, ?, AFPT, BGQU

1. ZEOR
2. ZEPS
3. ZEUS
4. ZEOS

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